Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

**0.1 Visual Proof Homework Honors**

1. Clearly explain how the activity using the manipulatives showed that 4 and 9 are perfect squares.

2. Is 16 a perfect square? If yes, prove it by drawing the arrangement of the manipulatives. If not, explain why, referring to the manipulatives.

3. 8 is a perfect cube because . Thinking of the maniupulatives we used today in class, how would you visually prove 8 as a perfect cube?